

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) An AC generator for a vehicle, comprising:
a rotor;
a stator disposed in opposed relation to said rotor;
a frame for supporting said rotor and said stator;
a rectifier fixedly secured to said frame and equipped with a radiating fin
which cools a rectifying element and makes an electrical connection; and
a cooling wind generating device for sucking cooling wind through said
rectifier into the rotor side,
wherein said radiating fin includes a fixing portion to which said rectifying
element is fixedly secured and a sub-fin extending radially from said fixing portion, and said
radiating fin has an ~~opening portion~~ air passage surrounded by said fixing portion, said sub-
fin and an outer circumferential end portion of said radiating fin.
2. (Original) The generator according to claim 1, wherein a thickness of said
fixing portion in a radial direction is smaller than a thickness of said sub-fin in an axial
direction of said rectifying element.
3. (Original) The generator according to claim 1, wherein a cooling wind suction
side end portion of said sub-fin further protrudes toward a cooling wind suction side with
respect to one of a cooling wind suction side end portion of said fixing portion and a cooling
wind suction side end portion of said rectifying element fixed to said fixing portion.
4. (Original) The generator according to claim 3, wherein said sub-fin has a first
wall surface disposed on an outer-diameter side around said rectifying element and a second

wall surface disposed on an inner-diameter side to make an angle below 180 degrees with respect to said first wall surface.

5. (Original) The generator according to claim 1, wherein said radiating fin is made of aluminum in a die-casting manner.

6. (Original) The generator according to claim 1, wherein a standing portion protruding toward a cooling wind suction side with respect to a cooling wind suction side end portion of said fixing portion is formed on an inner-circumferential end portion of said radiating fin.

7. (Original) The generator according to claim 1, wherein said radiating fin includes, as two types of radiating fins, a positive electrode side radiating fin and a negative electrode side radiating fin disposed in piles in a direction of a rotary shaft of said rotor, and a lead portion of said rectifying element fixedly secured to one radiating fin confronts the other radiating fin side and a cooling wind suction side end surface position of the other cooling fin is set on the upstream side along a flow of the cooling wind with respect to a joint position of said lead portion.

8. (Currently Amended) The generator according to claim 1, wherein said radiating fin includes, as two types of radiating fins, a positive electrode side radiating fin and a negative electrode side radiating fin disposed in piles in a direction of a rotary shaft of said rotor, and said sub-fin and said ~~opening portion~~ air passage are made in at least one radiating fin located on the upstream side along a flow of the cooling wind and a plurality of protruding portions are formed at a position on the other radiating fin corresponding to said opening portion.

9. (Original) The generator according to claim 8, wherein said plurality of protruding portions are formed radially around said rotary shaft of said rotor.

10. (Original) The generator according to claim 1, wherein a thickness of said sub-fin corresponding to said rectifying element in an axial direction of said rectifying element is made irregularly.

11. (Original) The generator according to claim 1, wherein an output terminal is provided at one end portion of said radiating fin along its circumferential direction, and said sub-fin corresponding to said rectifying element disposed on the other end side along the circumferential direction is made so that its thickness in an axial direction of said rectifying element is larger than a thickness of sub-fins corresponding to other rectifying elements.

12. (Currently Amended) An AC generator for a vehicle, comprising:

- a rotor;
- a stator disposed in opposed relation to said rotor;
- a frame for supporting said rotor and said stator;
- a rectifier fixedly secured to said frame and equipped with a radiating fin

which cools a rectifying element and makes an electrical connection; and

- a cooling wind generating device for sucking cooling wind through said rectifier into the rotor side,

wherein said radiating fin includes a fixing portion to which said rectifying element is fixedly secured and a first sub-fin extending radially from said fixing portion and a second sub-fin made to divide an ~~opening portion~~ air passage surrounded by said fixing portion, said first sub-fin and an outer circumferential end portion of said radiating fin, and the first sub-fin traverses the air passage and the second sub-fin.

13. (Currently Amended) The generator according to claim 12, wherein at least one side surface forming said ~~opening portion~~ air passage is made to be inclined to reduce an opening area along a flow of the cooling wind to be sucked.

14. (Original) The generator according to claim 12, wherein said second sub-fin has an arc-like configuration formed concentrically with the axis of said rectifying element.

15. (Original) The generator according to claim 12, wherein said second sub-fin is located on a more outer diameter side with respect to said fixed position of said rectifying element around said rotary shaft of said rotor.

16. (Original) The generator according to claim 12, wherein a length of said second sub-fin along a direction of a rotary shaft of said rotor is set to be shorter than length of said first sub-fin in the rotary shaft direction, and a cooling wind suction side end portion of said second sub-fin is located on a cooling wind generating device side with respect to a suction side end portion of said first sub-fin.

17. (Original) The generator according to claim 12, wherein said radiating fin includes, as two types of radiating fins, a positive electrode side radiating fin and a negative electrode side radiating fin which are disposed in piles in a direction of a rotary shaft of said rotor, and at least said radiating fin disposed on the upstream side along a flow of the cooling wind has said first and second sub-fins.